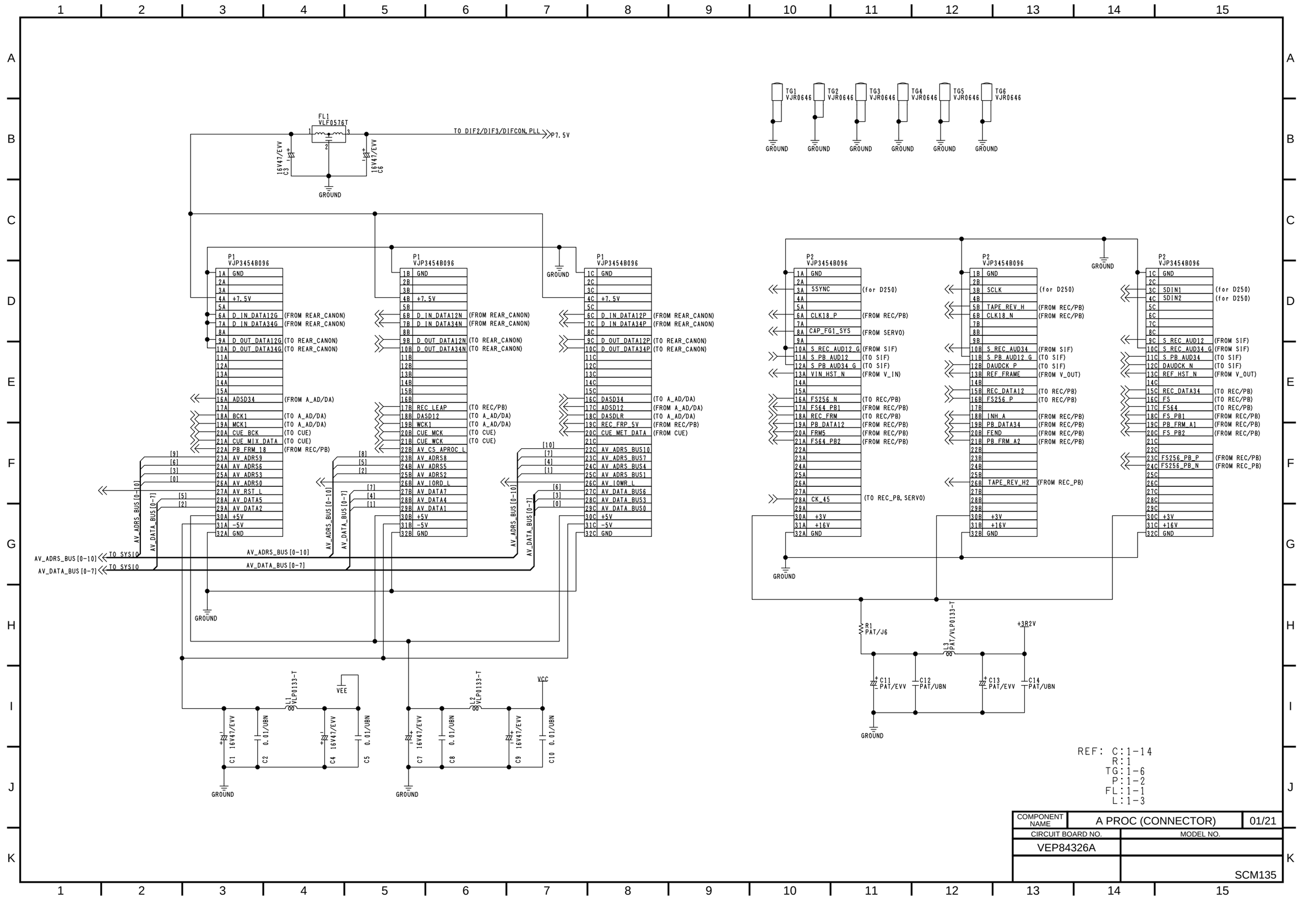
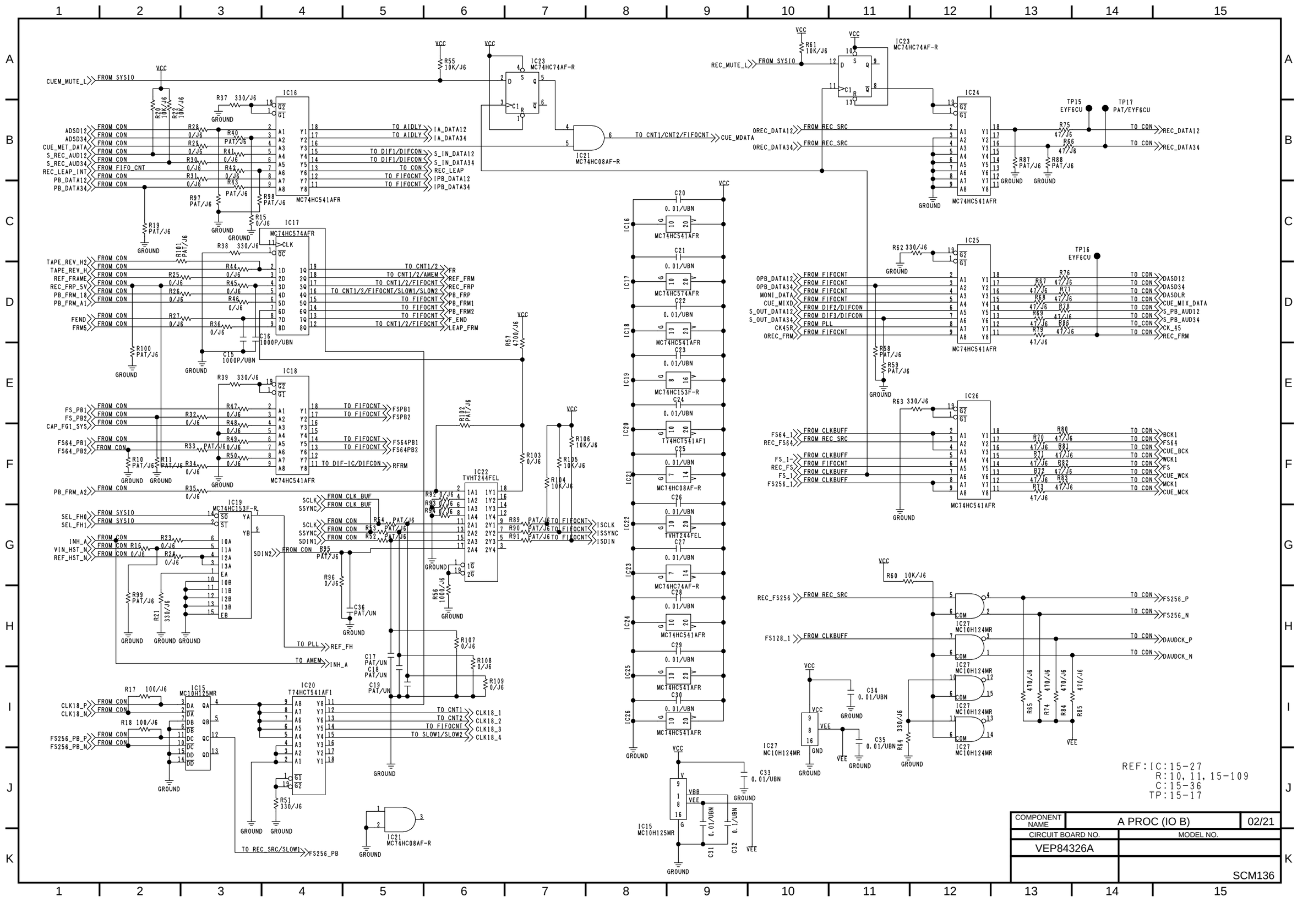
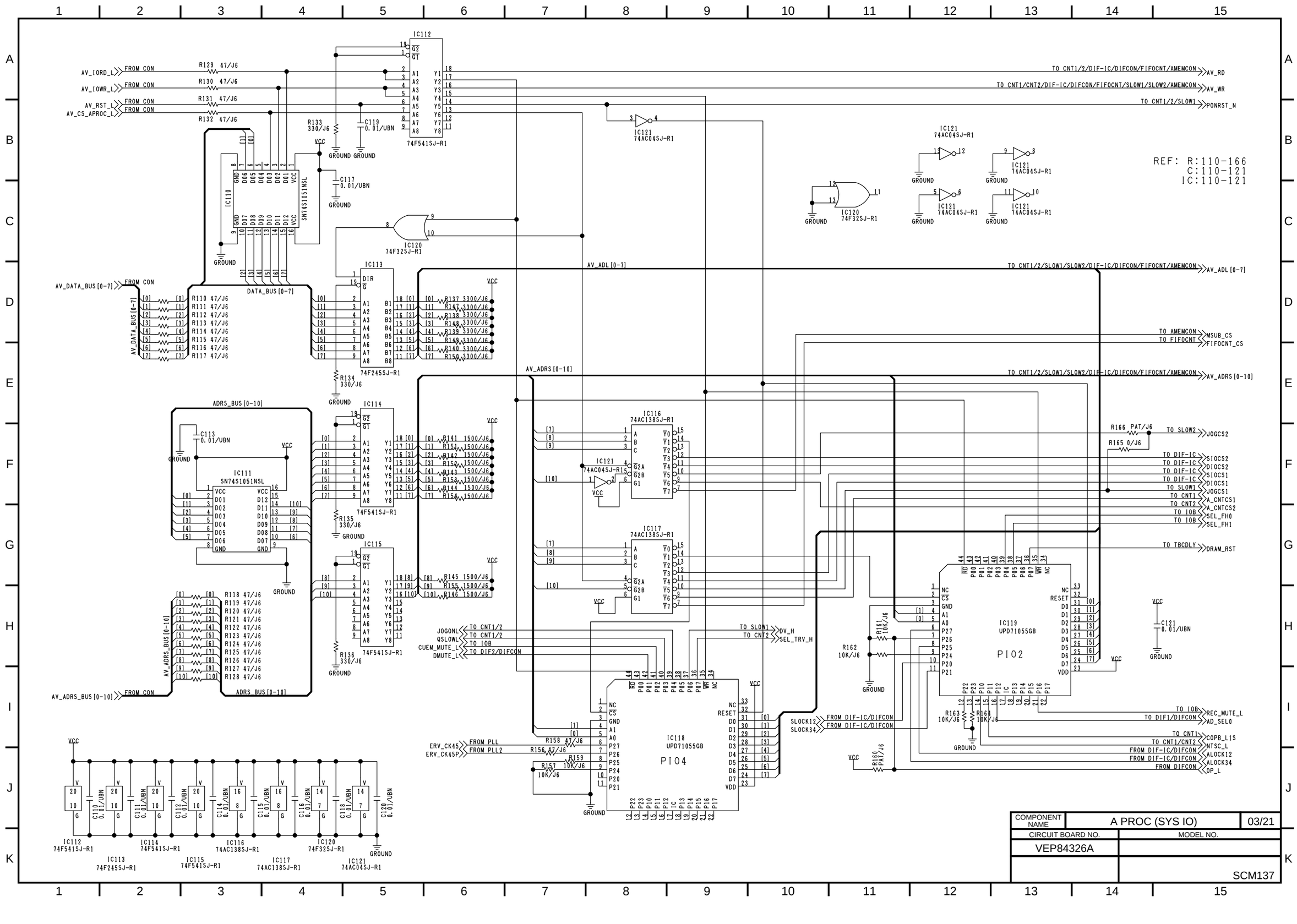


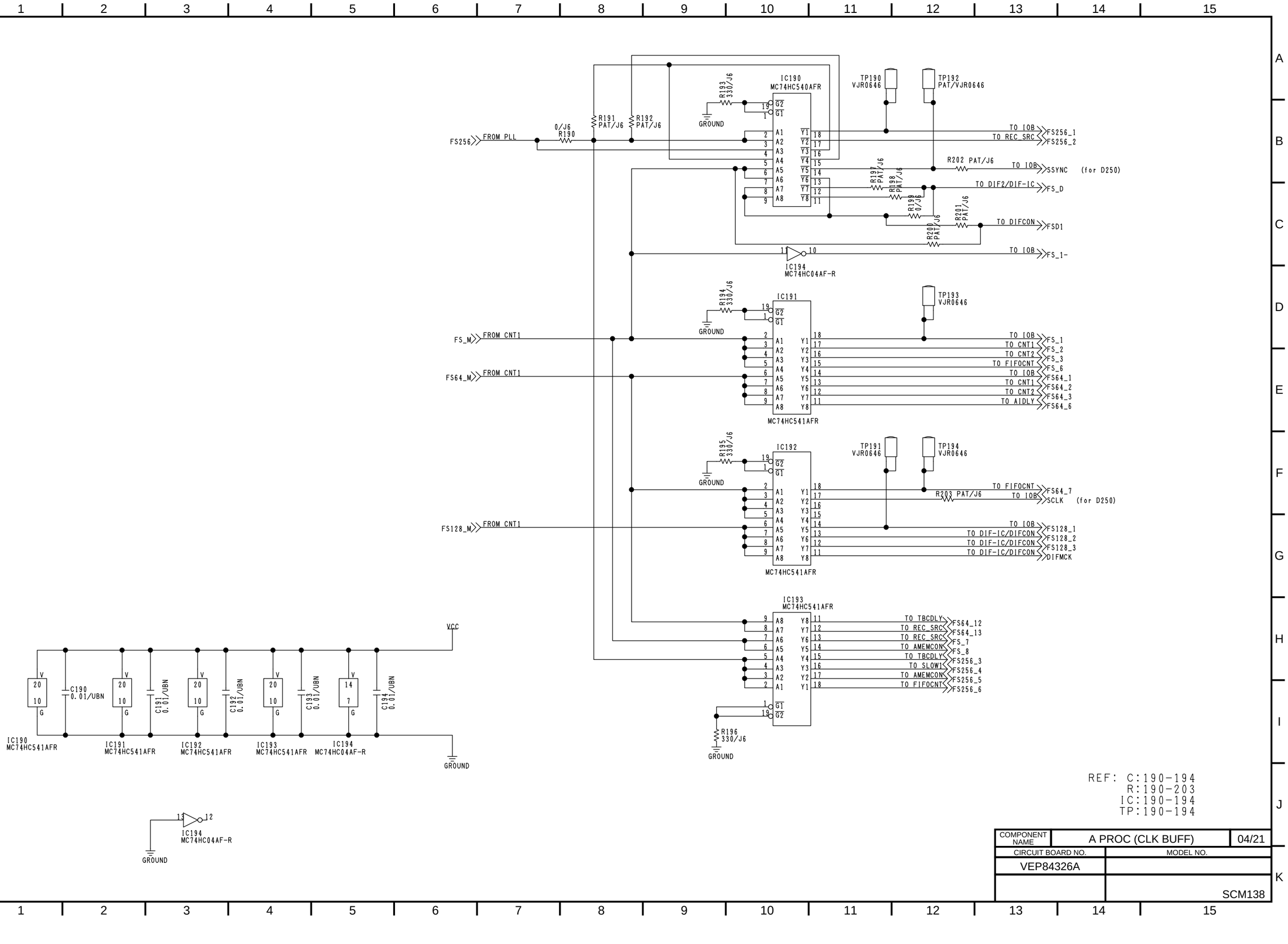
REF: C:1-14
R:1
TG:1-6
P:1-2
FL:1-1
L:1-3

COMPONENT NAME	A PROC (CONNECTOR)	01/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
	SCM135	


CUEM_MUTE_L
FROM SYSIO
REC_MUTE_L
IC16
IC17
IC18
IC19
IC20
IC21
IC22
IC23
IC24
IC25
IC26
IC27
MC74HC541AFR
MC74HC574AFR
MC74HC08AF-R
MC74HC153F-R
MC74HC74AF-R
TVHT244FEL
T74HCT541AF1
MC10H125MR
MC10H124MR
TO CNT1/CNT2/FIFOCNT
CUE_MDATA
OREC_DATA12
OREC_DATA34
FROM REC_SRC
TP15 EYF6CU
TP16 EYF6CU
TP17 PAT/EYF6CU
TO CON
REC_DATA12
REC_DATA34
GROUND
VCC
REF:IC:15-27
R:10, 11, 15-109
C:15-36
TP:15-17
COMPONENT NAME
A PROC (IO B)
02/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM136

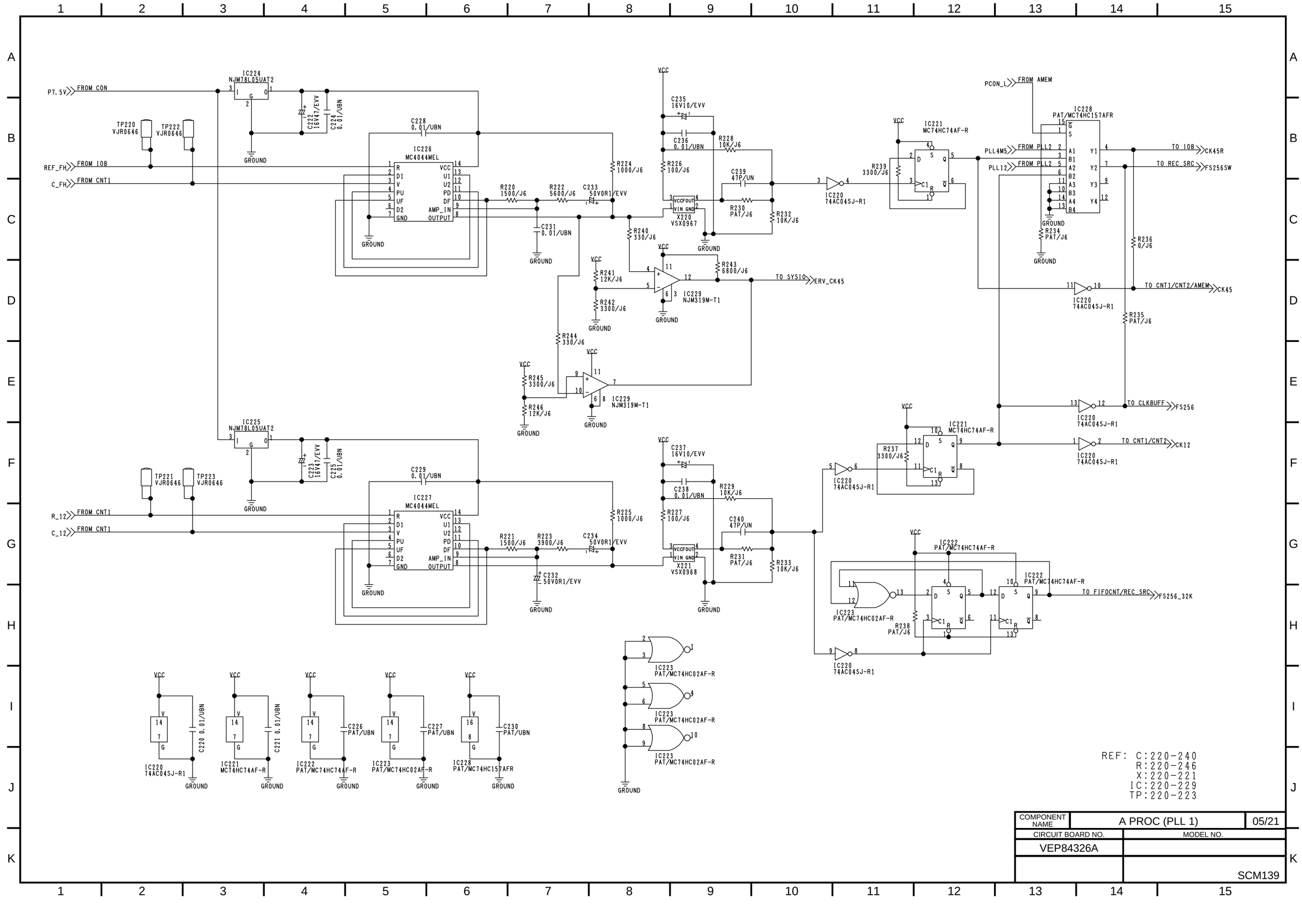


COMPONENT NAME	A PROC (SYS IO)	03/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM137



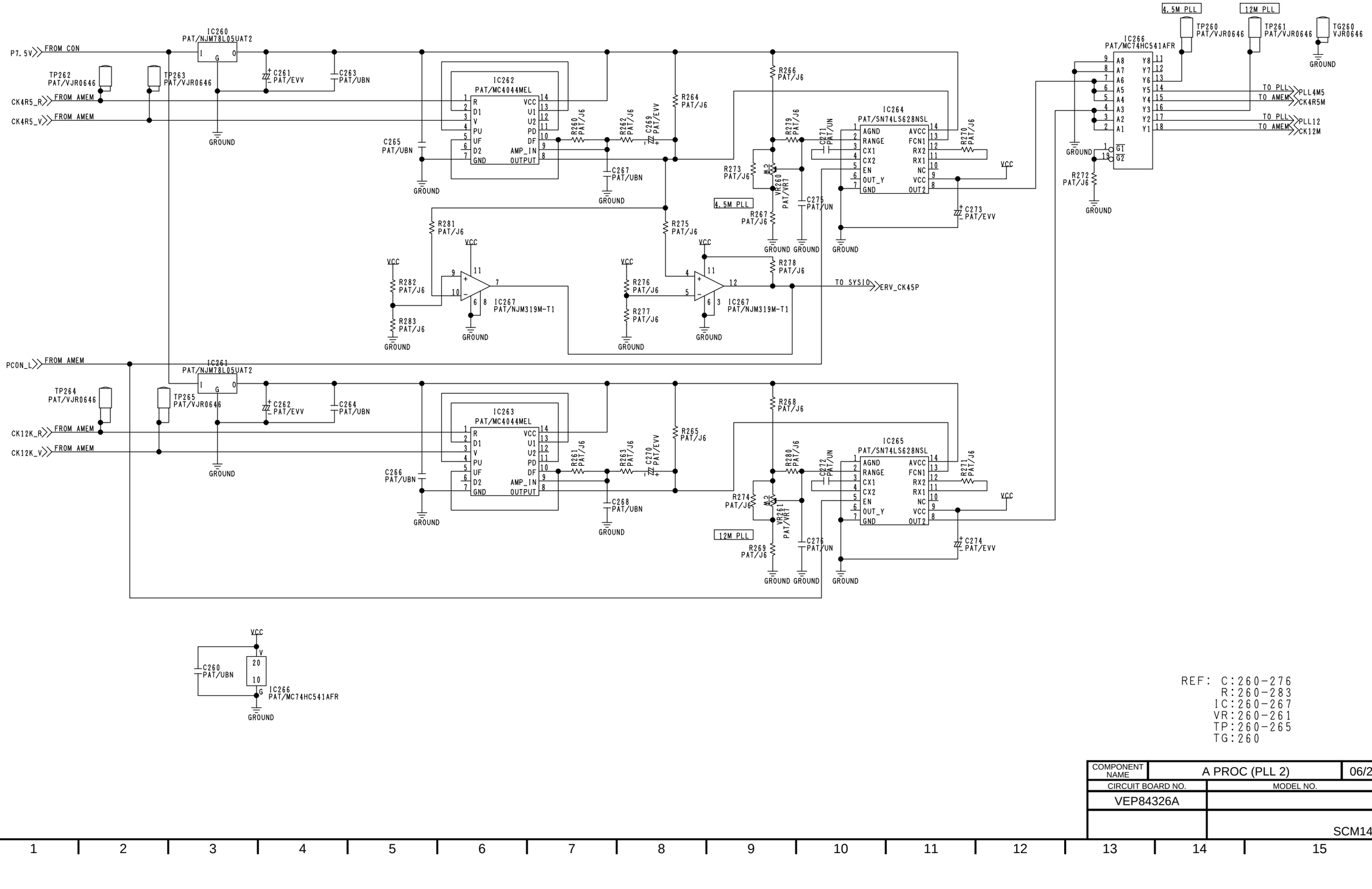
REF: C:190-194
R:190-203
IC:190-194
TP:190-194

COMPONENT NAME	A PROC (CLK BUFF)	04/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM138



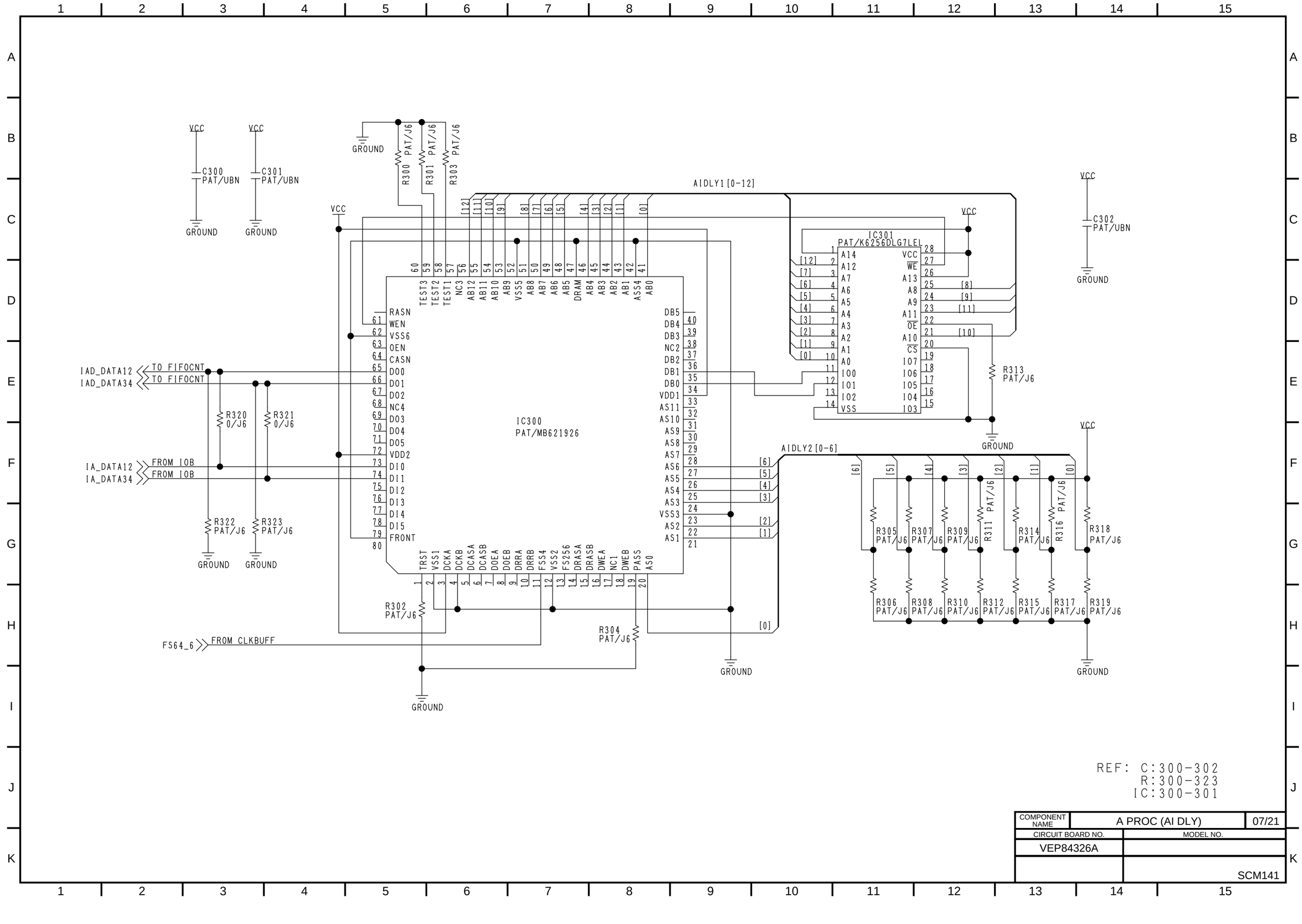
REF: C:220-240
R:220-246
X:220-221
IC:220-229
TP:220-223

COMPONENT NAME	A PROC (PLL 1)	05/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
	SCM139	



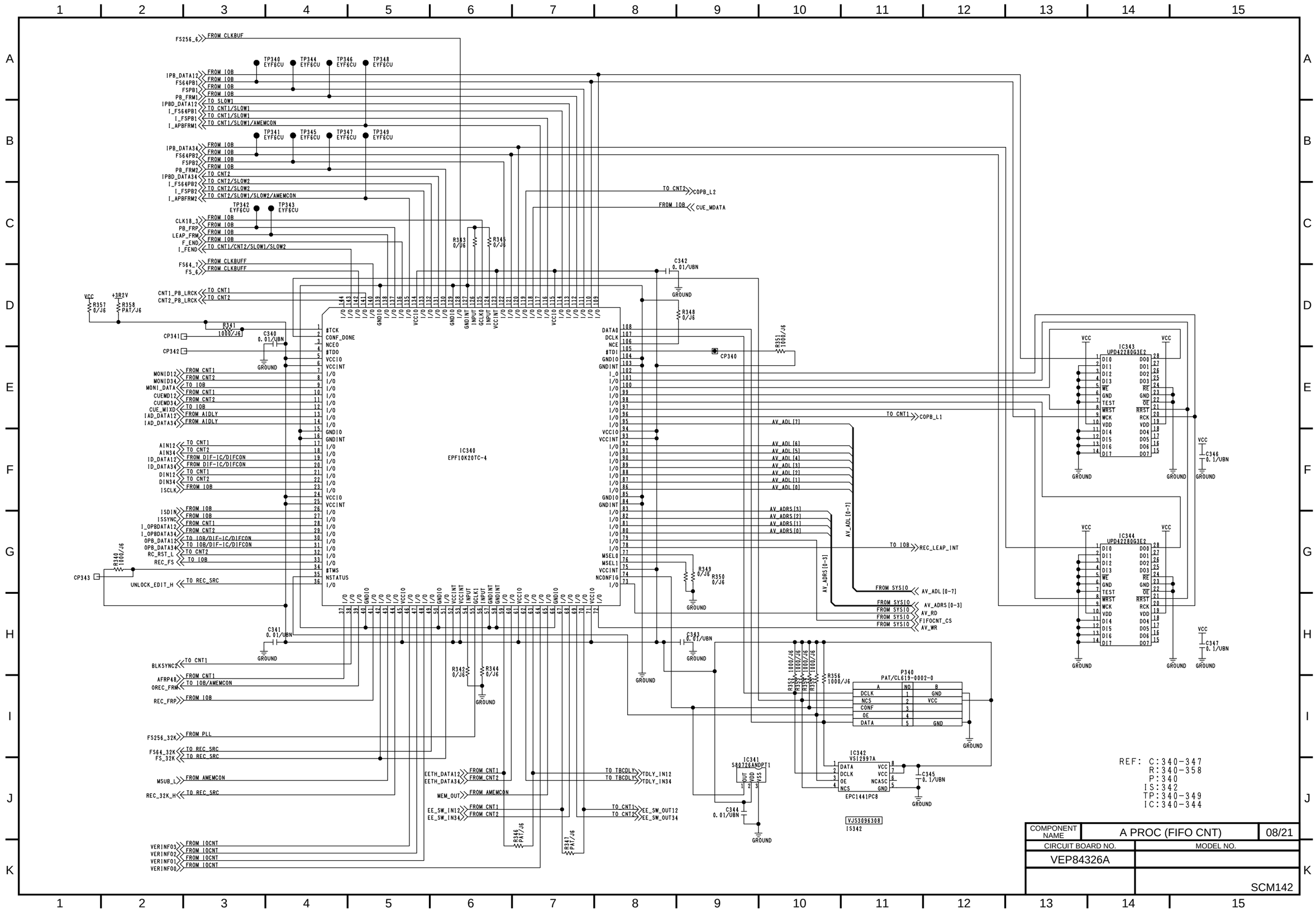
REF: C:260-276
R:260-283
IC:260-267
VR:260-261
TP:260-265
TG:260

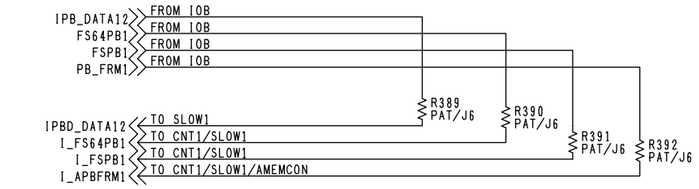
COMPONENT NAME	A PROC (PLL 2)	06/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
	SCM140	

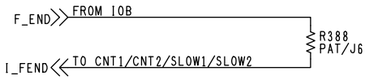


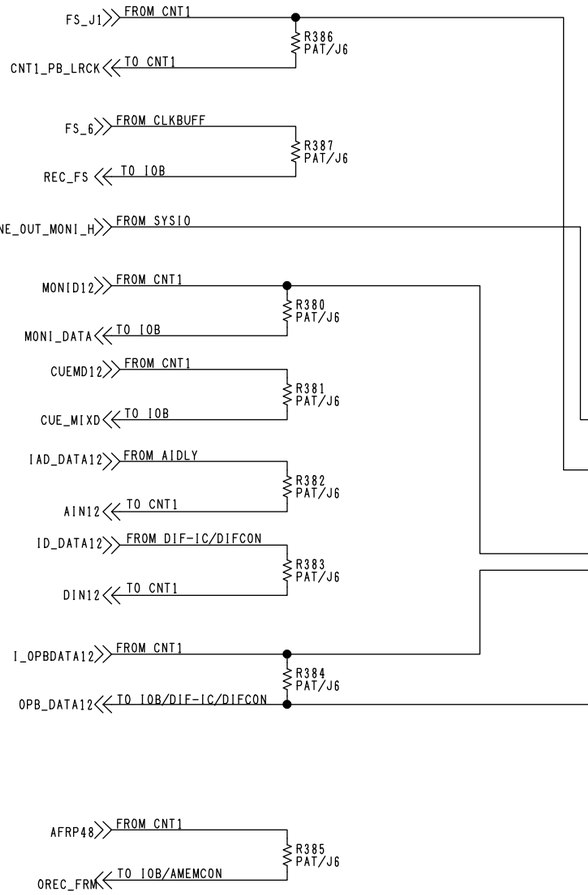
REF: C:300-302
R:300-323
IC:300-301

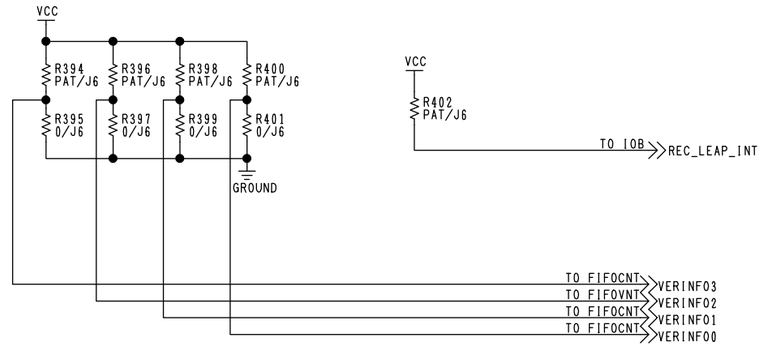
COMPONENT NAME	A PROC (AI DLY)	07/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM141

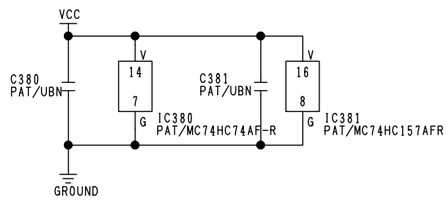

IC340
EPF10K20TC-4
IC343
UPD42280G3E2
IC344
UPD42280G3E2
P340
PAT/CL619-0002-0
IC341
S80726ANDPT1
IC342
VSI2997A
EPC1441PC8
VJS3096308
IS342
REF: C:340-347
R:340-358
P:340
IS:342
TP:340-349
IC:340-344
COMPONENT NAME
A PROC (FIFO CNT)
08/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM142

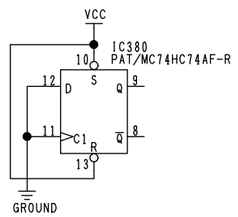






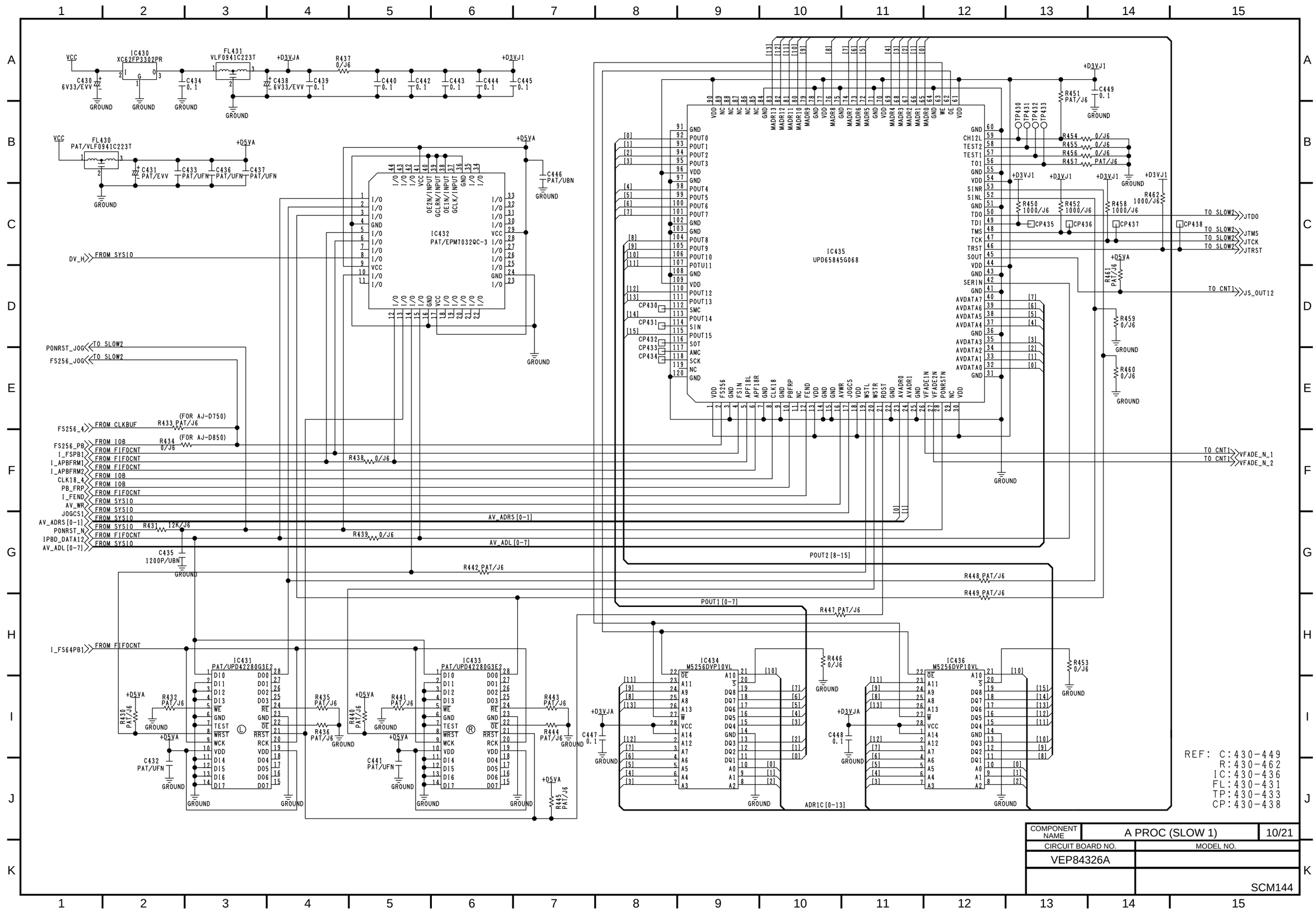


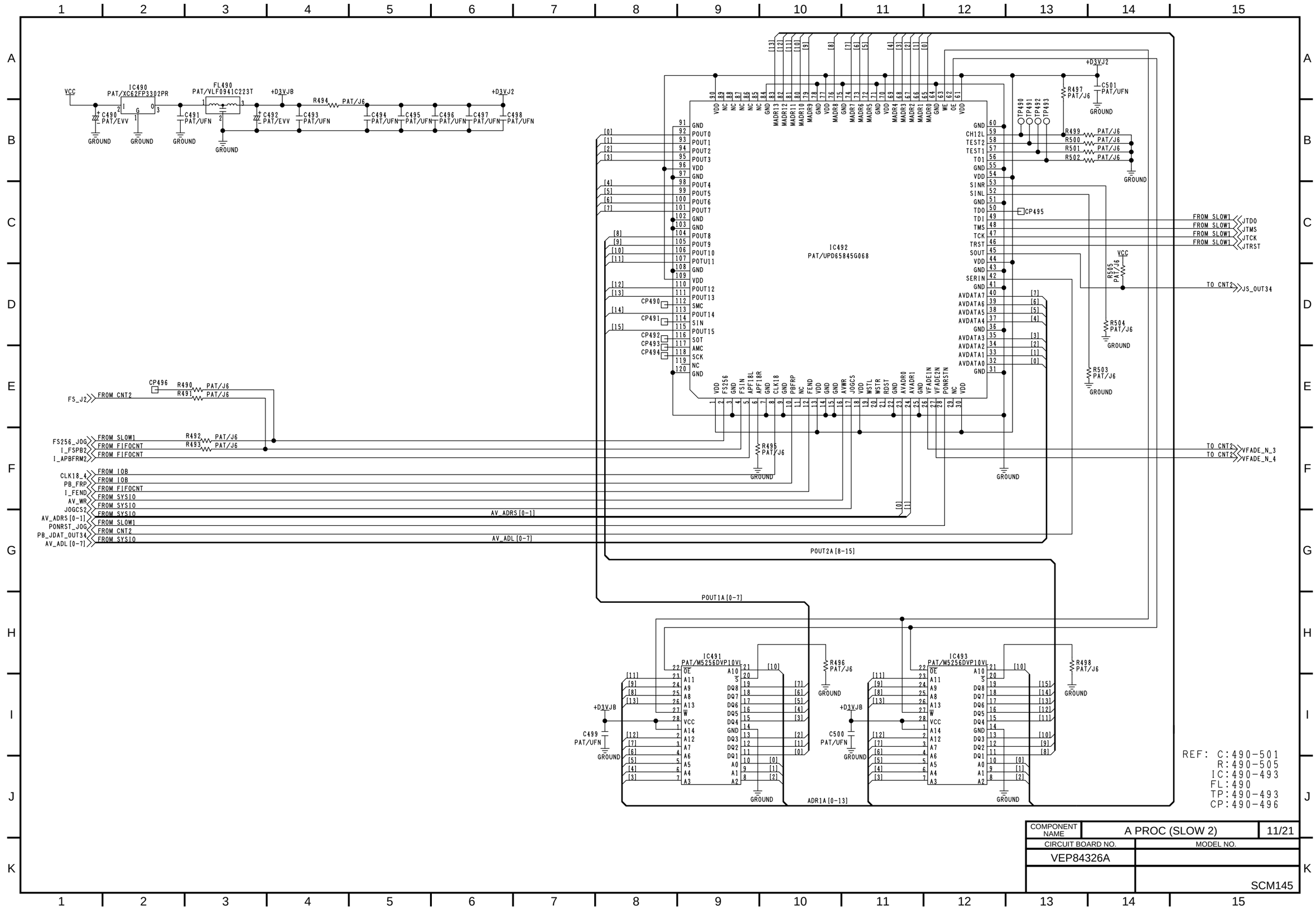




REF: C:380-381
R:380-402
IC:380-381

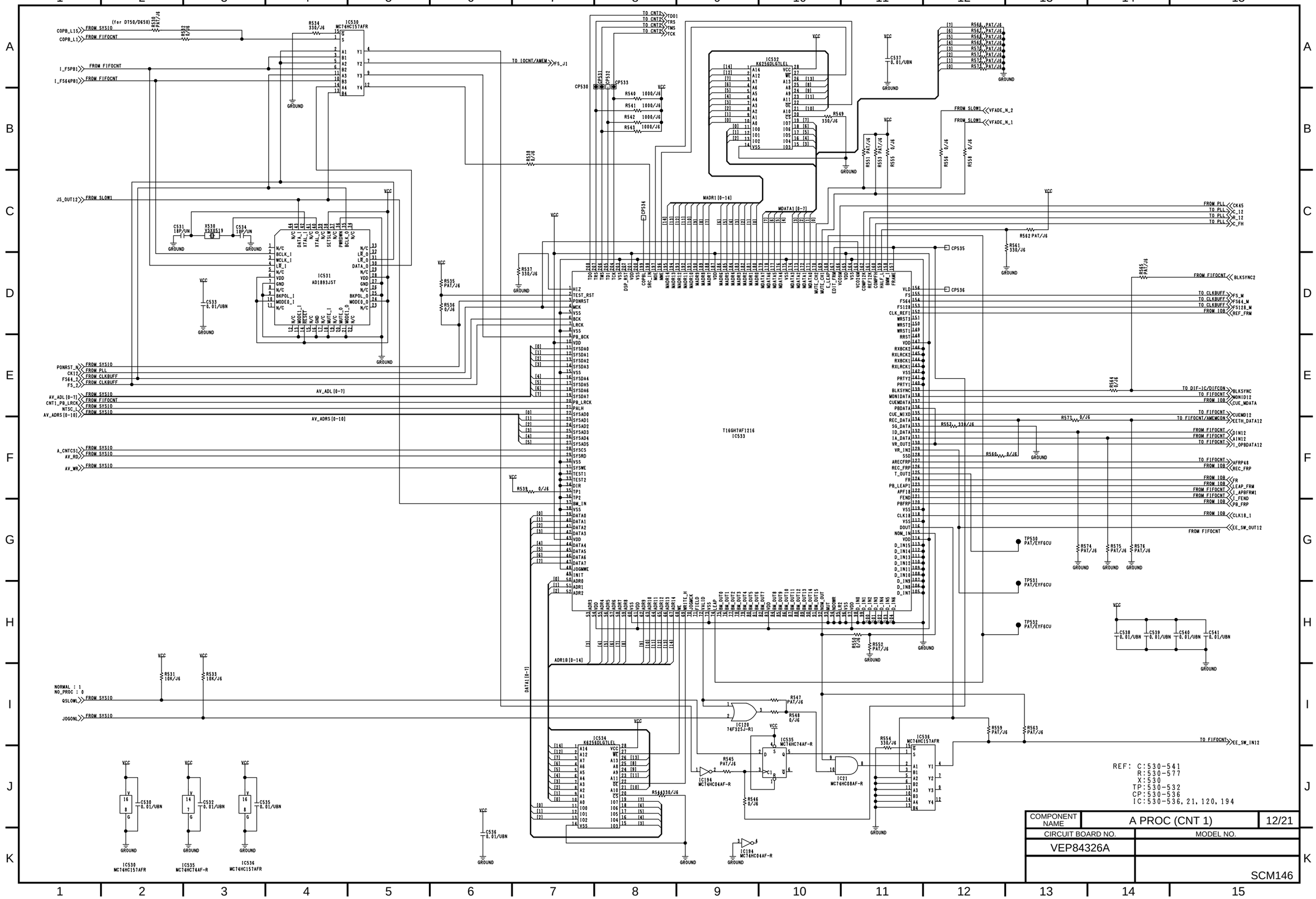
COMPONENT NAME	A PROC (IO CNT)	09/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM143

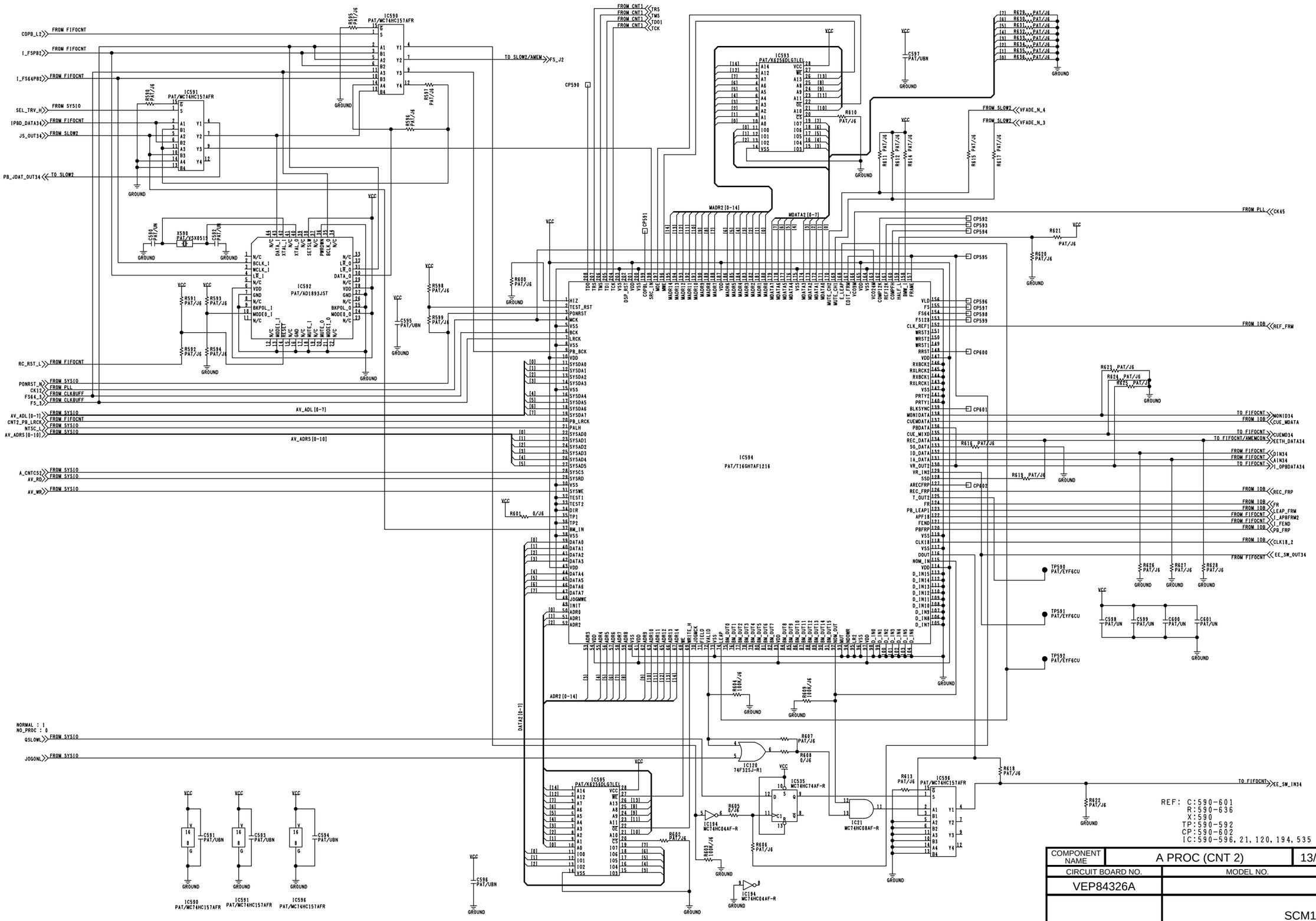

IC430 XC62FP3302PR
FL431 VLF0941C223T
FL430 PAT/VLF0941C223T
IC432 PAT/EPM7032QC-3
IC435 UPD65845G068
IC431 PAT/UPD42280G3E2
IC433 PAT/UPD42280G3E2
IC434 M5256DVP10VL
IC436 M5256DVP10VL
+D3VJA
+D3VJ1
+D5VA
GROUND
FROM SYSIO
FROM CLKBUF
FROM IOB
FROM FIFOCNT
TO SLOW2
TO CNT1
JTDO
JTMS
JTCK
JTRST
JS_OUT12
VFADE_N_1
VFADE_N_2
AV_ADRS[0-1]
AV_ADL[0-7]
POUT1[0-7]
POUT2[8-15]
ADR1C[0-13]
REF: C:430-449
R:430-462
IC:430-436
FL:430-431
TP:430-433
CP:430-438
COMPONENT NAME
A PROC (SLOW 1)
10/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM144

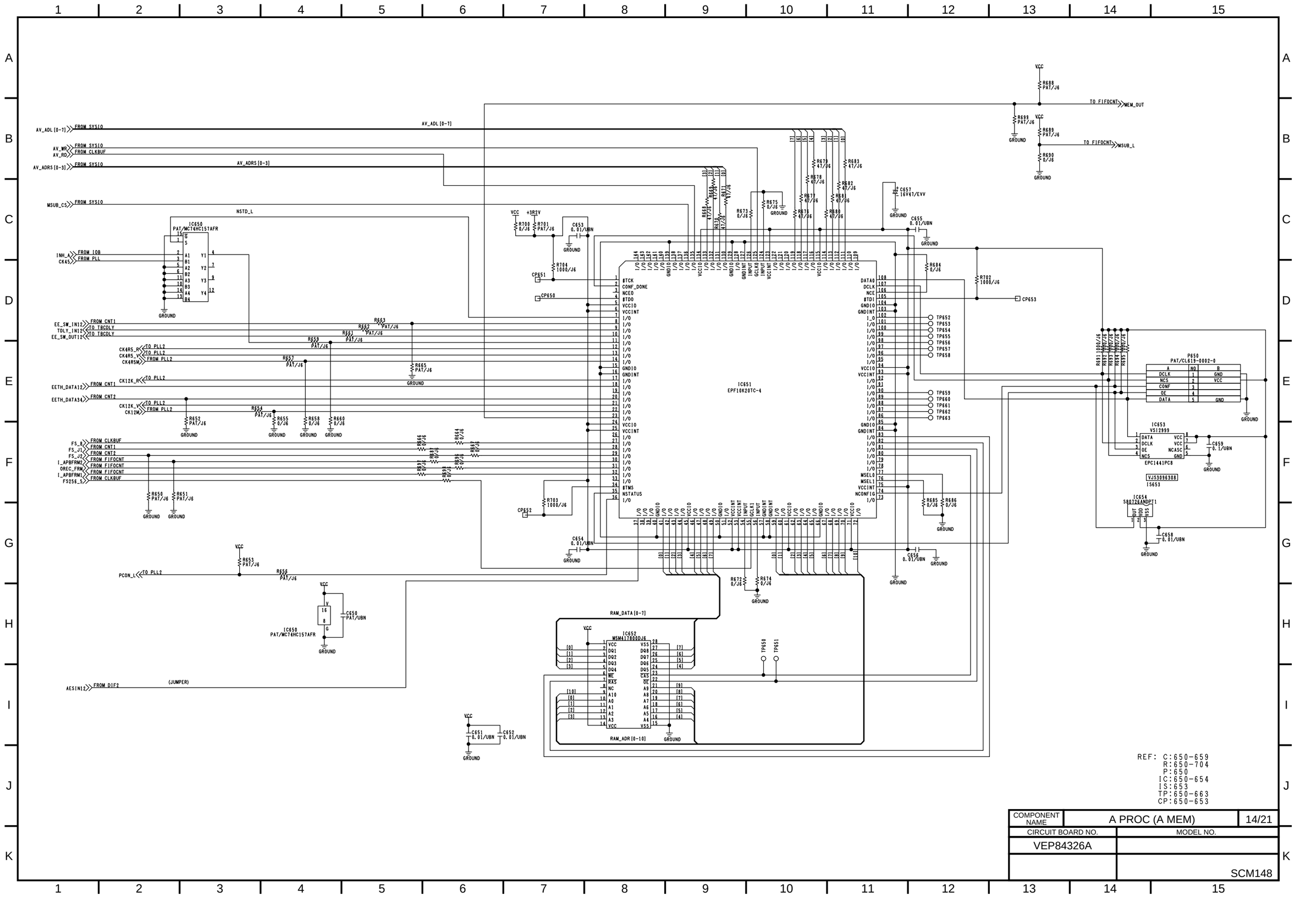


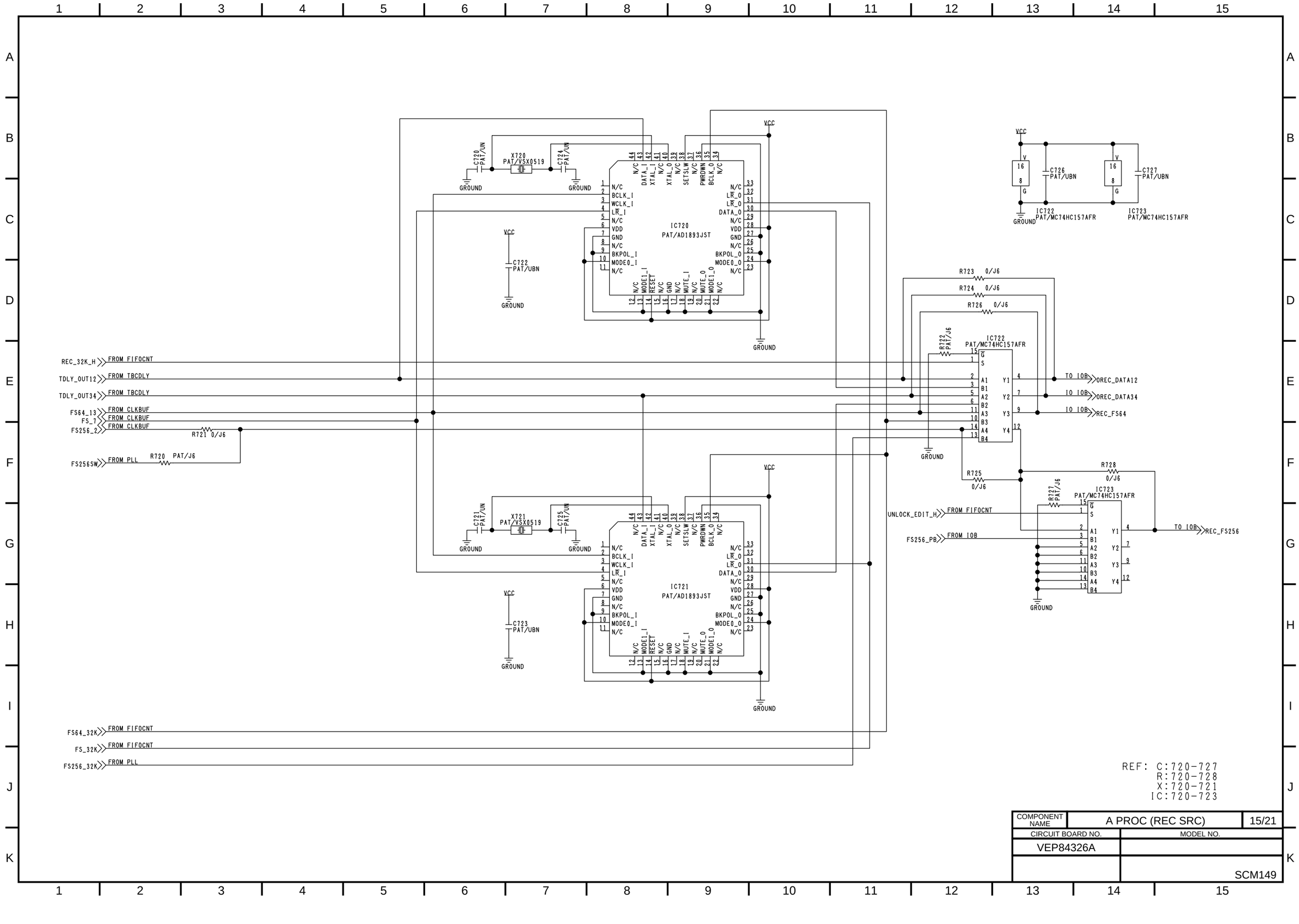
REF: C:490-501
R:490-505
IC:490-493
FL:490
TP:490-493
CP:490-496

COMPONENT NAME	A PROC (SLOW 2)	11/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM145


IC530 MC74HC157AFR
IC531 AD1893JST
IC532 K6256DL-GTLEL
IC533 T16GH7AF1216
IC534 K6256DL-GTLEL
IC535 MC74HC74AF-R
IC536 MC74HC157AFR
IC120 74F32SJ-R1
IC194 MC74HC04AF-R
IC21 MC74HC08AF-R
X530 VSX6519
CP530
CP531
CP532
CP533
CP534
CP535
CP536
TP530 PAT/EYF6CU
TP531 PAT/EYF6CU
TP532 PAT/EYF6CU
(for D750/D650)
FROM SYSIO
FROM FIFOCNT
FROM SLOW1
FROM PLL
FROM CLKBUFF
TO I2CNT/AMEM
TO CNT2
TO FIFOCNT
TO CLKBUFF
TO DIF-IC/DIFCON
TO FIFOCNT/AMEMCON
TO I2C
TO 10B
AV_ADL[0-7]
AV_ADRS[0-10]
MADR1[0-14]
MDATA1[0-7]
ADR1B[0-14]
DATA1[0-7]
VCC
GROUND
NORMAL : 1
NO_PROC : 0
REF: C:530-541
R:530-577
X:530
TP:530-532
CP:530-536
IC:530-536, 21, 120, 194
COMPONENT NAME
A PROC (CNT 1)
12/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM146

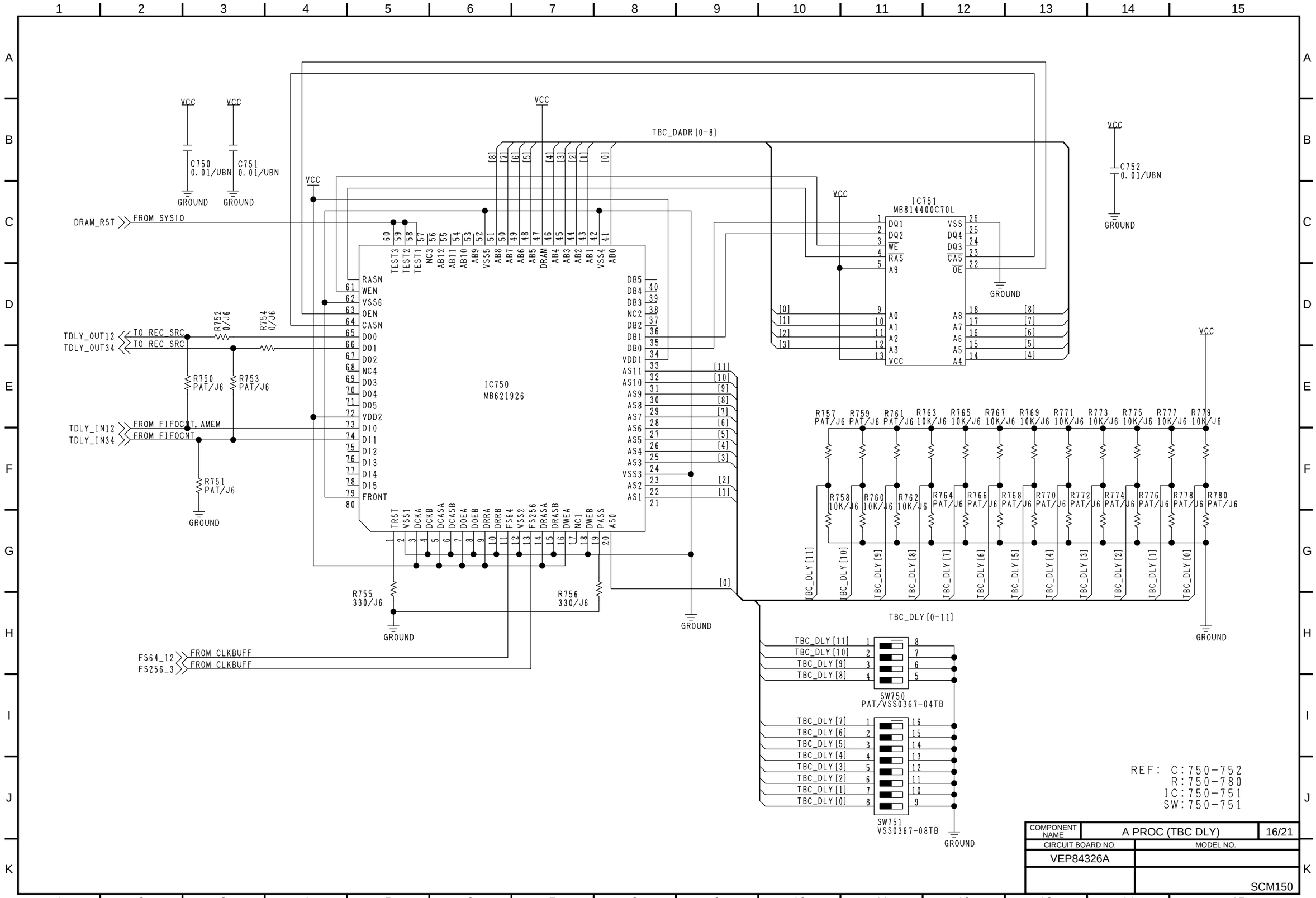

COPB_L2
I_FSPB2
I_FS64PB2
SEL_TRV_H
IPBD_DATA34
JS_OUT34
PB_JDAT_OUT34
RC_RST_L
PONRST_N
CK12
FS64_S
FS_S
AV_ADL[0-7]
CNT2_PB_LRCK
NTSC_L
AV_ADRS[0-10]
A_CNTCS2
AV_RD
AV_WR
NORMAL : 1
NO_PROC : 0
QSLOWL
JOGONL
FROM FIFOCNT
FROM SYSIO
FROM SLOW2
TO SLOW2
FROM PLL
FROM CLKBUFF
TO SLOW2/AMEM
FS_J2
IC590 PAT/MC74HC157AFR
IC591 PAT/MC74HC157AFR
IC592 PAT/AD1893JST
IC593 PAT/K6R56DLG1LEL
IC594 PAT/T16GHTAF1216
IC595 PAT/K6R56DLG7LEL
IC596 PAT/MC74HC157AFR
IC120 74F325J-R1
IC194 MC74HC04AF-R
IC535 MC74HC74AF-R
IC21 MC74HC08AF-R
X590 PAT/VSX0519
CP590
CP591
CP592
CP593
CP594
CP595
CP596
CP597
CP598
CP599
CP600
CP601
CP602
TP590 PAT/EYF6CU
TP591 PAT/EYF6CU
TP592 PAT/EYF6CU
MADR2[0-14]
MDATA2[0-7]
ADR2[0-14]
DATA2[0-7]
VCC
GROUND
TO FIFOCNT
FROM IOB
FROM FIFOCNT/AMEMCON
REF: C:590-601
R:590-636
X:590
TP:590-592
CP:590-602
IC:590-596, 21, 120, 194, 535
COMPONENT NAME
A PROC (CNT 2)
13/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM147

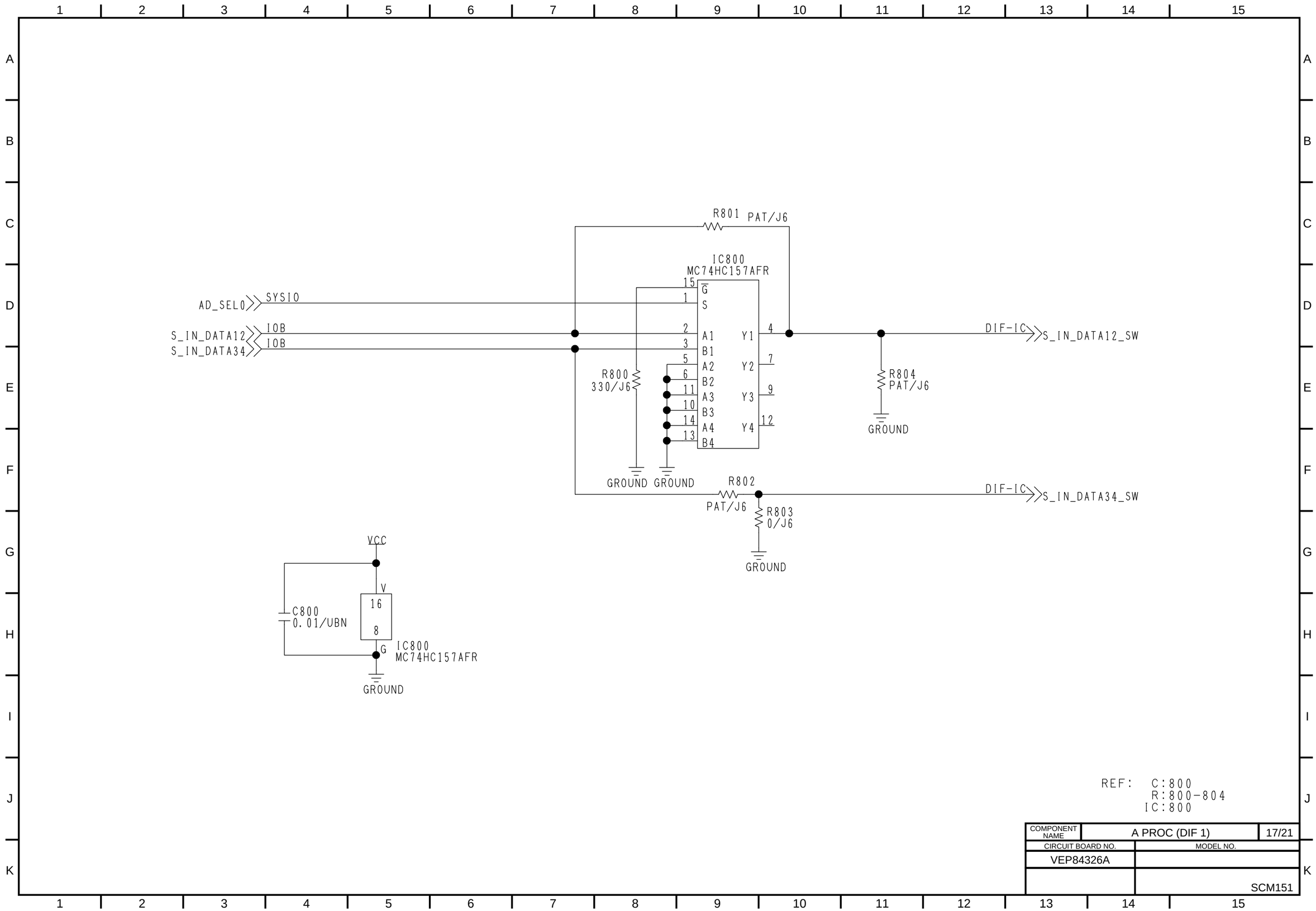

IC650
PAT/MC74HC157AFR
IC651
EPF10K20TC-4
IC652
MSM417800DJ6
IC653
VS12999
EPC1441PC8
IS653
P650
PAT/CL619-0002-0
IC654
S80726ANOPT1
IC650
PAT/MC74HC157AFR
AV_ADL[0-7]
AV_ADRS[0-3]
NSTD_L
RAM_DATA[0-7]
RAM_ADR[0-10]
(JUMPER)
REF: C:650-659
R:650-704
P:650
IC:650-654
IS:653
TP:650-663
CP:650-653
COMPONENT NAME
A PROC (A MEM)
14/21
CIRCUIT BOARD NO.
MODEL NO.
VEP84326A
SCM148



REF: C:720-727
R:720-728
X:720-721
IC:720-723

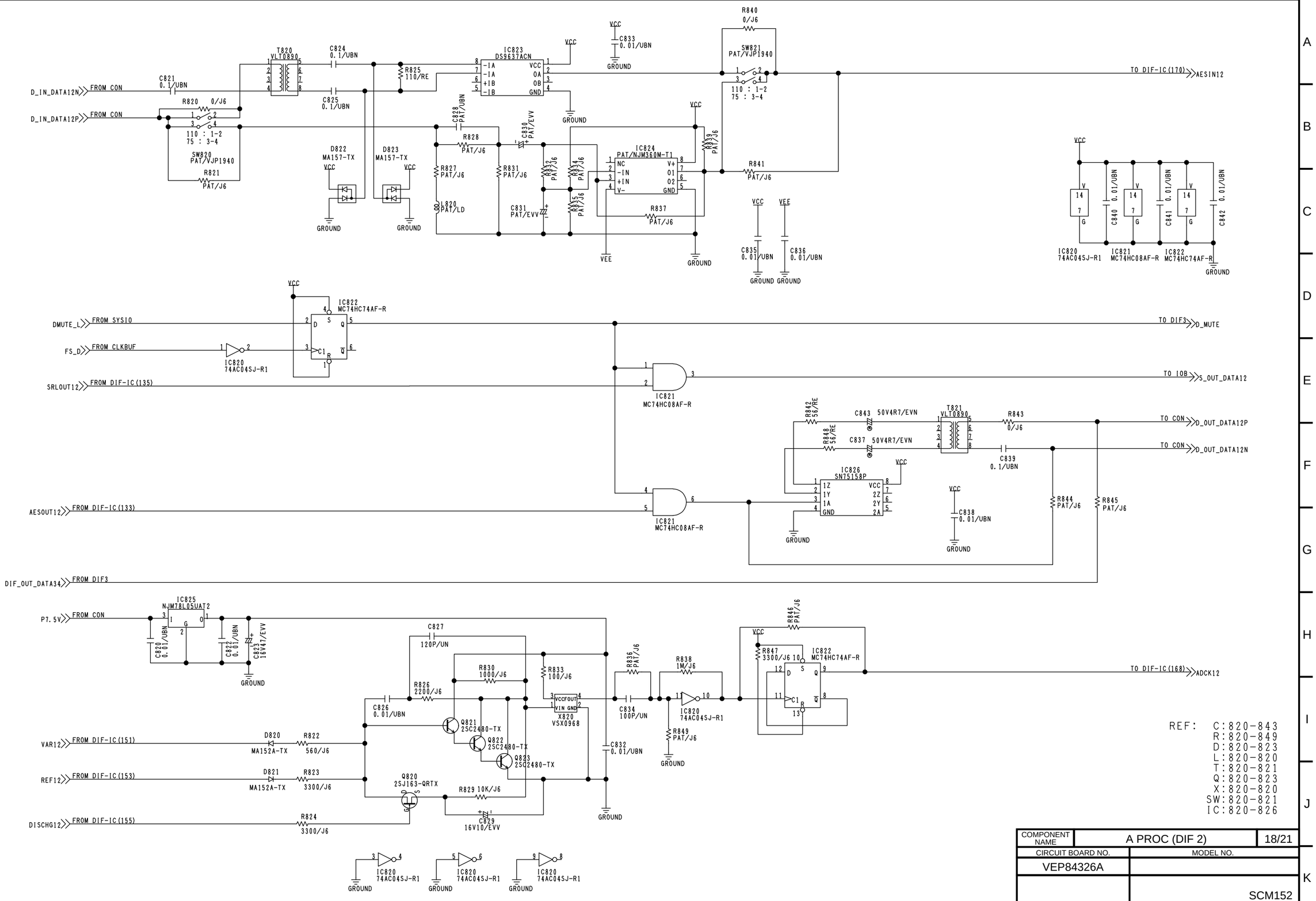
COMPONENT NAME	A PROC (REC SRC)	15/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM149

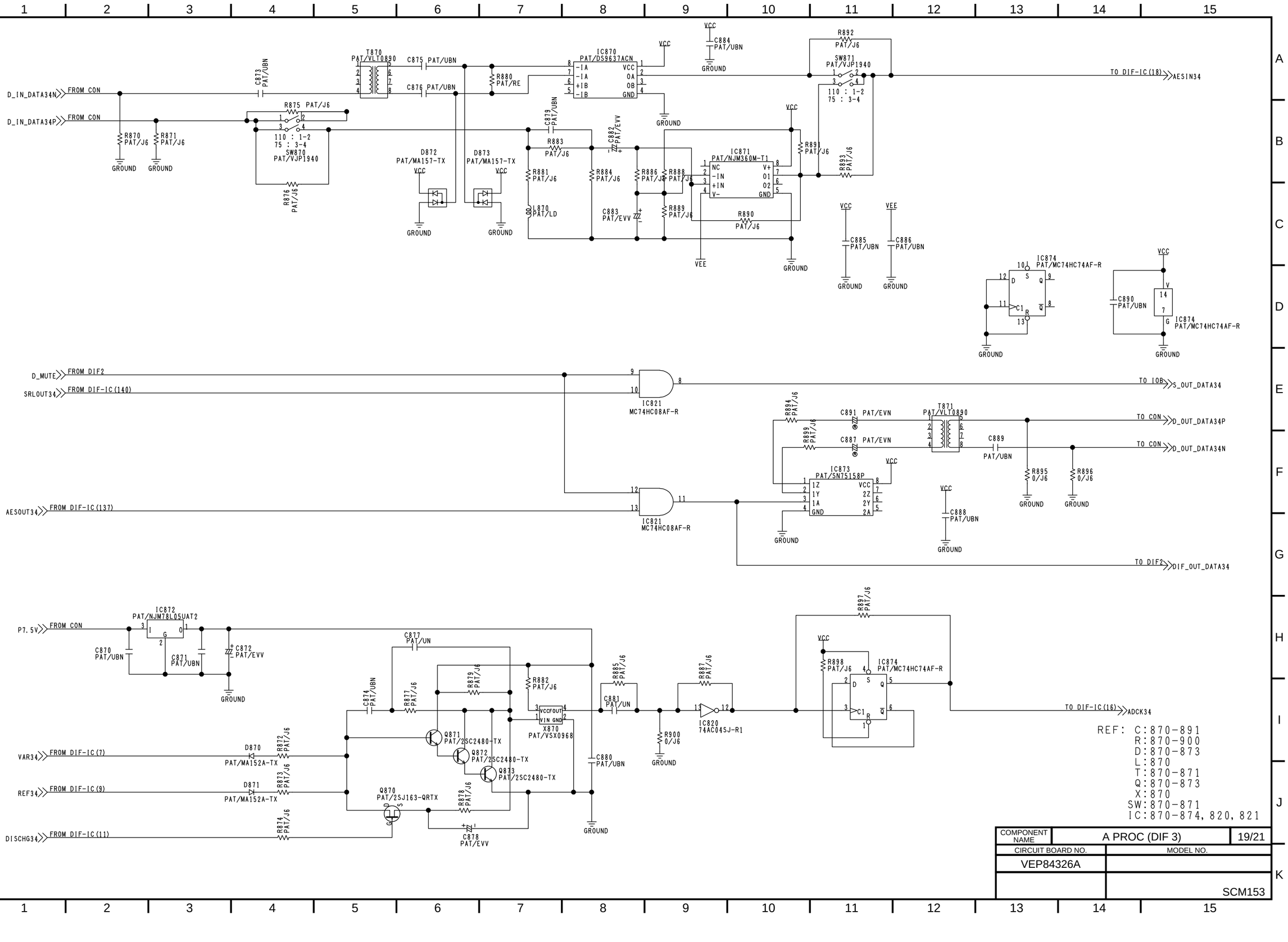

C750 0.01/UBN
C751 0.01/UBN
C752 0.01/UBN
GROUND
VCC
DRAM_RST
FROM SYSIO
TBC_DADR[0-8]
IC750
MB621926
IC751
MB814400C70L
TDLY_OUT12
TDLY_OUT34
TO REC SRC
R752 0/J6
R754 0/J6
R750 PAT/J6
R753 PAT/J6
TDLY_IN12
TDLY_IN34
FROM FIFOCNT, AMEM
FROM FIFOCNT
R751 PAT/J6
R755 330/J6
R756 330/J6
FS64_12
FS256_3
FROM CLKBUFF
R757 PAT/J6
R759 PAT/J6
R761 PAT/J6
R763 10K/J6
R765 10K/J6
R767 10K/J6
R769 10K/J6
R771 10K/J6
R773 10K/J6
R775 10K/J6
R777 10K/J6
R779 10K/J6
R758 10K/J6
R760 10K/J6
R762 10K/J6
R764 PAT/J6
R766 PAT/J6
R768 PAT/J6
R770 PAT/J6
R772 PAT/J6
R774 PAT/J6
R776 PAT/J6
R778 PAT/J6
R780 PAT/J6
TBC_DLY[0-11]
SW750
PAT/VSS0367-04TB
SW751
VSS0367-08TB
REF: C:750-752
R:750-780
IC:750-751
SW:750-751
COMPONENT NAME
A PROC (TBC DLY)
16/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM150

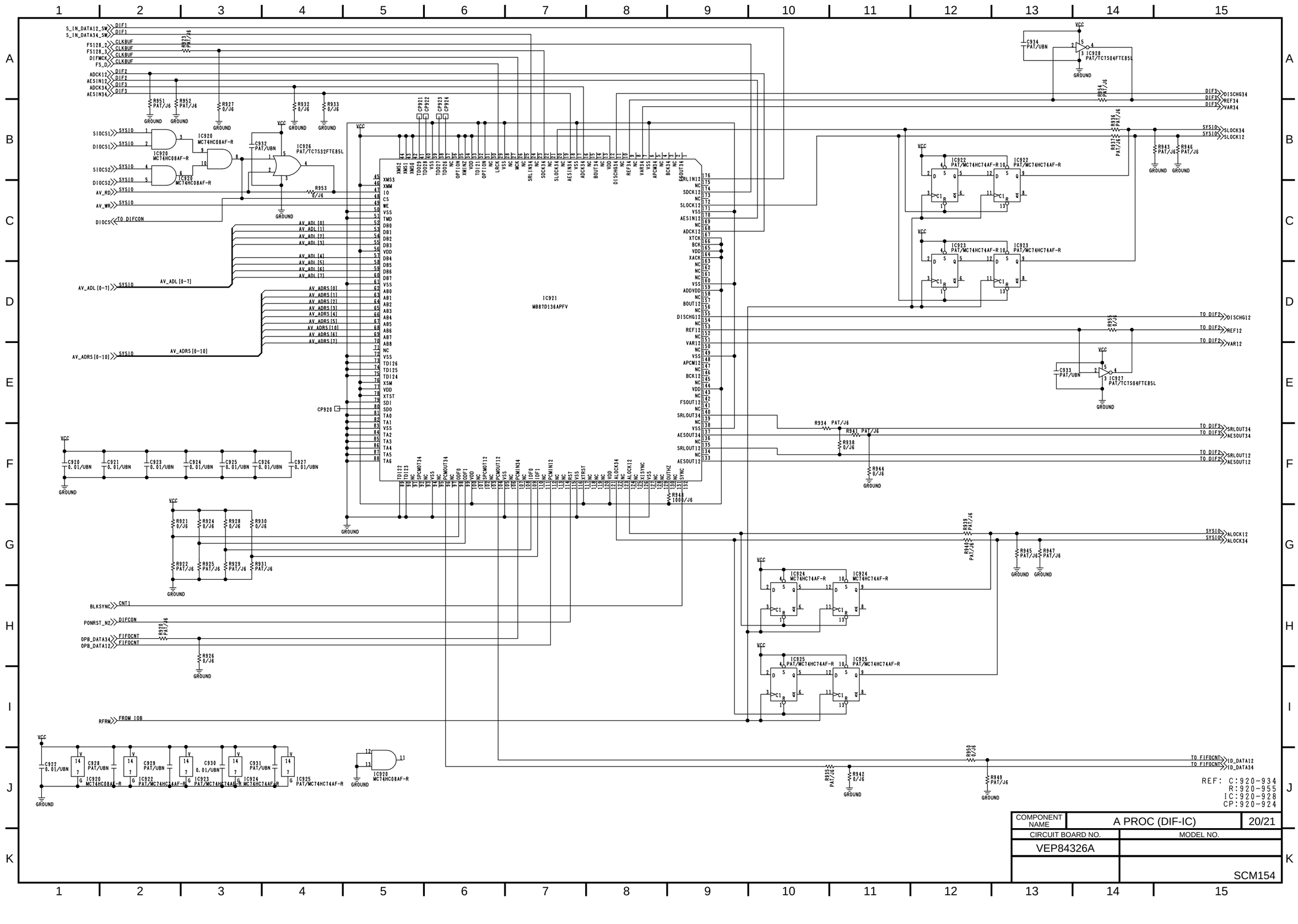


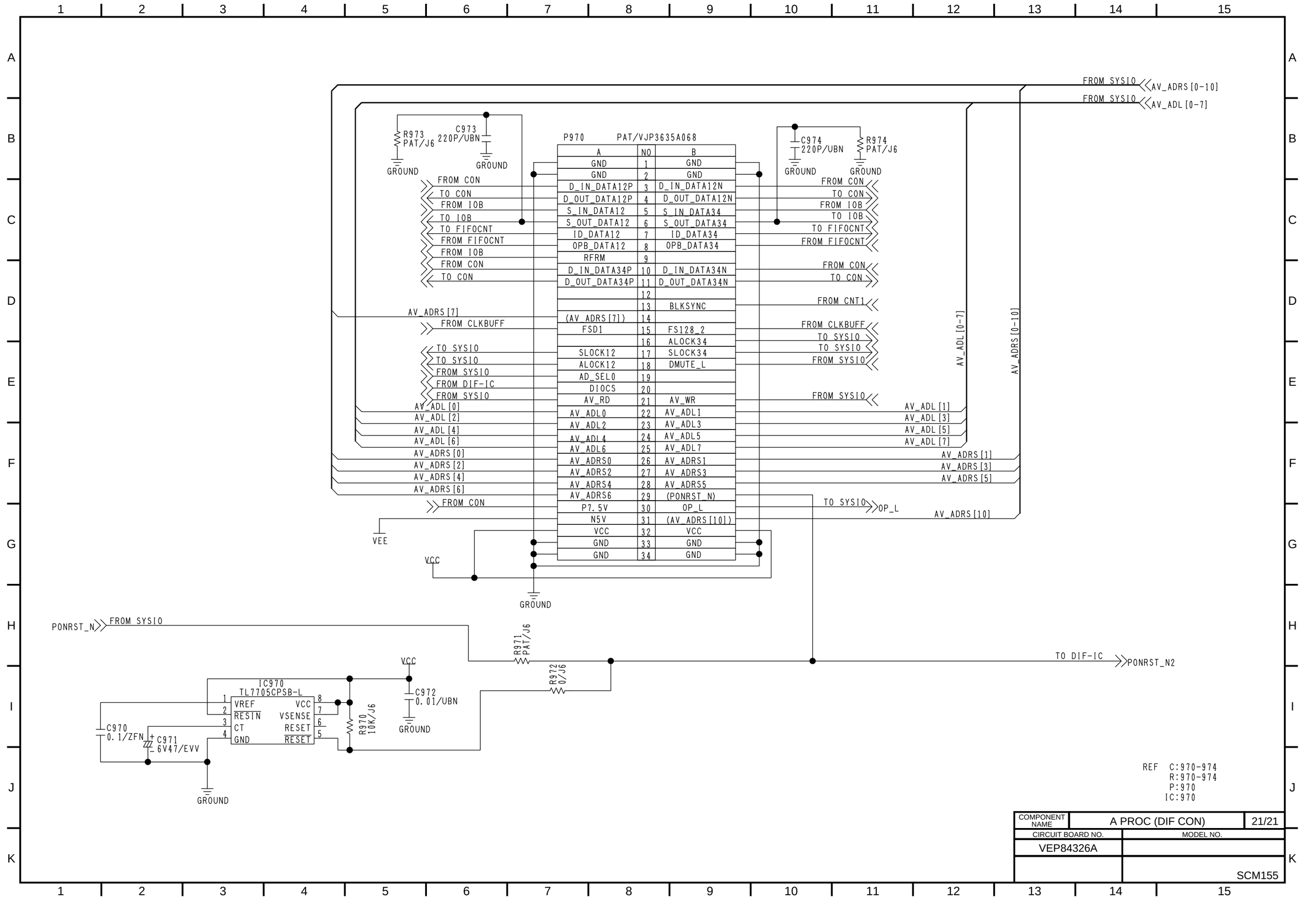
REF: C:800
R:800-804
IC:800

COMPONENT NAME	A PROC (DIF 1)	17/21
CIRCUIT BOARD NO.	MODEL NO.	
VEP84326A		
		SCM151


D_IN_DATA12N FROM CON
D_IN_DATA12P FROM CON
T820 VLT0890
C821 0.1/UBN
C824 0.1/UBN
C825 0.1/UBN
R825 110/RE
IC823 DS9637ACN
C833 0.01/UBN
R840 0/J6
SW821 PAT/VJP1940
110 : 1-2
75 : 3-4
TO DIF-IC(170) AESIN12
R820 0/J6
SW820 PAT/VJP1940
R821 PAT/J6
C828 PAT/UBN
R828 PAT/J6
C830 PAT/EVV
D822 MA157-TX
D823 MA157-TX
R827 PAT/J6
R831 PAT/J6
L820 PAT/LD
C831 PAT/EVV
R832 PAT/J6
R834 PAT/J6
R835 PAT/J6
IC824 PAT/NJM360M-T1
R839 PAT/J6
R841 PAT/J6
R837 PAT/J6
C835 0.01/UBN
C836 0.01/UBN
C840 0.01/UBN
C841 0.01/UBN
C842 0.01/UBN
IC820 74AC04SJ-R1
IC821 MC74HC08AF-R
IC822 MC74HC74AF-R
DMUTE_L FROM SYSIO
FS_D FROM CLKBUF
SRLOUT12 FROM DIF-IC(135)
TO DIF3 D_MUTE
TO IOB S_OUT_DATA12
R842 56/RE
R848 56/RE
C843 50V4R7/EVN
C837 50V4R7/EVN
T821 VLT0890
R843 0/J6
C839 0.1/UBN
TO CON D_OUT_DATA12P
TO CON D_OUT_DATA12N
IC826 SN75158P
C838 0.01/UBN
R844 PAT/J6
R845 PAT/J6
AESOUT12 FROM DIF-IC(133)
DIF_OUT_DATA34 FROM DIF3
P7.5V FROM CON
IC825 NJM78L05UAT2
C820 0.01/UBN
C822 0.01/UBN
C823 16V47/EVV
C827 120P/UN
R830 1000/J6
R826 2200/J6
R833 100/J6
C826 0.01/UBN
X820 VSX0968
C834 100P/UN
R836 PAT/J6
R838 1M/J6
R846 PAT/J6
R847 3300/J6
TO DIF-IC(168) ADCK12
VAR12 FROM DIF-IC(151)
REF12 FROM DIF-IC(153)
DISCHG12 FROM DIF-IC(155)
D820 MA152A-TX
D821 MA152A-TX
R822 560/J6
R823 3300/J6
R824 3300/J6
Q820 2SJ163-QRTX
Q821 2SC2480-TX
Q822 2SC2480-TX
Q823 2SC2480-TX
R829 10K/J6
C829 16V10/EVV
R849 PAT/J6
C832 0.01/UBN
REF: C:820-843
R:820-849
D:820-823
L:820-820
T:820-821
Q:820-823
X:820-820
SW:820-821
IC:820-826
COMPONENT NAME
A PROC (DIF 2)
18/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM152


D_IN_DATA34N
FROM CON
D_IN_DATA34P
FROM CON
R870 PAT/J6
R871 PAT/J6
GROUND
GROUND
C873 PAT/UBN
R875 PAT/J6
110 : 1-2
75 : 3-4
SW870 PAT/VJP1940
R876 PAT/J6
T870 PAT/VLT0890
C875 PAT/UBN
C876 PAT/UBN
R880 PAT/RE
IC870 PAT/DS9637ACN
-IA
-IA
+IB
-IB
VCC
OA
OB
GND
VCC
GROUND
C884 PAT/UBN
GROUND
R892 PAT/J6
SW871 PAT/VJP1940
110 : 1-2
75 : 3-4
TO DIF-IC(18)
AESIN34
C879 PAT/UBN
C882 PAT/EVV
R883 PAT/J6
R881 PAT/J6
R884 PAT/J6
R886 PAT/J6
R888 PAT/J6
L870 PAT/LD
C883 PAT/EVV
D872 PAT/MA157-TX
D873 PAT/MA157-TX
VCC
GROUND
GROUND
IC871 PAT/NJM360M-T1
NC
-IN
+IN
V-
V+
O1
O2
GND
R889 PAT/J6
R890 PAT/J6
VEE
VCC
R891 PAT/J6
R893 PAT/J6
GROUND
VCC
VEE
C885 PAT/UBN
C886 PAT/UBN
GROUND
GROUND
IC874 PAT/MC74HC74AF-R
D
S
Q
C1
R
GROUND
C890 PAT/UBN
IC874 PAT/MC74HC74AF-R
GROUND
D_MUTE
FROM DIF2
SRLOUT34
FROM DIF-IC(140)
IC821 MC74HC08AF-R
TO IOB
S_OUT_DATA34
AESOUT34
FROM DIF-IC(137)
IC821 MC74HC08AF-R
R894 PAT/J6
R889 PAT/J6
C891 PAT/EVN
C887 PAT/EVN
T871 PAT/VLT0890
C889 PAT/UBN
TO CON
D_OUT_DATA34P
TO CON
D_OUT_DATA34N
IC873 PAT/SN75158P
1Z
1Y
1A
GND
VCC
2Z
2Y
2A
VCC
C888 PAT/UBN
GROUND
GROUND
R895 0/J6
R896 0/J6
GROUND
GROUND
TO DIF2
DIF_OUT_DATA34
IC872 PAT/NJM78L05UAT2
P7.5V
FROM CON
C870 PAT/UBN
C871 PAT/UBN
C872 PAT/EVV
GROUND
C877 PAT/UN
C874 PAT/UBN
R877 PAT/J6
R879 PAT/J6
R882 PAT/J6
R885 PAT/J6
R887 PAT/J6
R897 PAT/J6
VCC
R898 PAT/J6
IC874 PAT/MC74HC74AF-R
TO DIF-IC(16)
ADCK34
C881 PAT/UN
X870 PAT/VSX0968
VCCFOUT
VIN
GND
IC820 74AC04SJ-R1
R900 0/J6
GROUND
C880 PAT/UBN
GROUND
VAR34
FROM DIF-IC(7)
D870 PAT/MA152A-TX
R872 PAT/J6
Q871 PAT/2SC2480-TX
Q872 PAT/2SC2480-TX
Q873 PAT/2SC2480-TX
REF34
FROM DIF-IC(9)
D871 PAT/MA152A-TX
R873 PAT/J6
Q870 PAT/2SJ163-QRTX
R878 PAT/J6
C878 PAT/EVV
DISCHG34
FROM DIF-IC(11)
R874 PAT/J6
REF: C:870-891
R:870-900
D:870-873
L:870
T:870-871
Q:870-873
X:870
SW:870-871
IC:870-874, 820, 821
COMPONENT NAME
A PROC (DIF 3)
19/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM153


IC921
WB87D136APFV
IC920 MC74HC08AF-R
IC922 PAT/MC74HC74AF-R
IC923 PAT/MC74HC74AF-R
IC924 MC74HC74AF-R
IC925 PAT/MC74HC74AF-R
IC926 PAT/TC7S32FTE85L
IC927 PAT/TC7S04FTE85L
IC928 PAT/TC7S04FTE85L
S_IN_DATA12_SW
S_IN_DATA34_SW
FS128_2
FS128_3
DIFMCK
FS_D
ADCK12
AESIN12
ADCK34
AESIN34
SIOCS1
DIOCS1
SIOCS2
DIOCS2
AV_RD
AV_WR
DIOCS
TO DIFCON
AV_ADL [0-7]
AV_ADRS [0-10]
BLKSYNC
PONRST_N2
OPB_DATA34
OPB_DATA12
RFRM
FROM IOB
TO DIF2
TO DIF3
TO FIFOCNT
SYS10
VCC
GROUND
REF: C:920-934
R:920-955
IC:920-928
CP:920-924
COMPONENT NAME
A PROC (DIF-IC)
20/21
CIRCUIT BOARD NO.
VEP84326A
MODEL NO.
SCM154


FROM SYSIO
AV_ADRS [0-10]
FROM SYSIO
AV_ADL [0-7]
R973
PAT/J6
C973
220P/UBN
GROUND
GROUND
P970
PAT/VJP3635A068
C974
220P/UBN
R974
PAT/J6
GROUND
GROUND
A
NO
B
GND 1 GND
GND 2 GND
D_IN_DATA12P 3 D_IN_DATA12N
D_OUT_DATA12P 4 D_OUT_DATA12N
S_IN_DATA12 5 S_IN_DATA34
S_OUT_DATA12 6 S_OUT_DATA34
ID_DATA12 7 ID_DATA34
OPB_DATA12 8 OPB_DATA34
RFRM 9
D_IN_DATA34P 10 D_IN_DATA34N
D_OUT_DATA34P 11 D_OUT_DATA34N
12
13 BLKSYNC
(AV_ADRS [7]) 14
FSD1 15 FS128_2
16 ALOCK34
SLOCK12 17 SLOCK34
ALOCK12 18 DMUTE_L
AD_SEL0 19
DIOCS 20
AV_RD 21 AV_WR
AV_ADL0 22 AV_ADL1
AV_ADL2 23 AV_ADL3
AV_ADL4 24 AV_ADL5
AV_ADL6 25 AV_ADL7
AV_ADRS0 26 AV_ADRS1
AV_ADRS2 27 AV_ADRS3
AV_ADRS4 28 AV_ADRS5
AV_ADRS6 29 (PONRST_N)
P7.5V 30 OP_L
N5V 31 (AV_ADRS [10])
VCC 32 VCC
GND 33 GND
GND 34 GND
FROM CON
TO CON
FROM IOB
TO IOB
TO FIFOCNT
FROM FIFOCNT
FROM IOB
FROM CON
TO CON
AV_ADRS [7]
FROM CLKBUFF
TO SYSIO
TO SYSIO
FROM SYSIO
FROM DIF-IC
FROM SYSIO
AV_ADL [0]
AV_ADL [2]
AV_ADL [4]
AV_ADL [6]
AV_ADRS [0]
AV_ADRS [2]
AV_ADRS [4]
AV_ADRS [6]
FROM CON
VEE
VCC
GROUND
FROM CON
TO CON
FROM IOB
TO IOB
TO FIFOCNT
FROM FIFOCNT
FROM CON
TO CON
FROM CNT1
FROM CLKBUFF
TO SYSIO
TO SYSIO
FROM SYSIO
FROM SYSIO
AV_ADL [1]
AV_ADL [3]
AV_ADL [5]
AV_ADL [7]
AV_ADRS [1]
AV_ADRS [3]
AV_ADRS [5]
TO SYSIO
OP_L
AV_ADRS [10]
AV_ADL [0-7]
AV_ADRS [0-10]
PONRST_N
FROM SYSIO
R971
PAT/J6
R972
0/J6
TO DIF-IC
PONRST_N2
VCC
IC970
TL7705CPSB-L
1 VREF
2 RESIN
3 CT
4 GND
8 VCC
7 VSENSE
6 RESET
5 RESET
C970
0.1/ZFN
C971
6V47/EVV
R970
10K/J6
C972
0.01/UBN
GROUND
GROUND
REF C:970-974
R:970-974
P:970
IC:970
COMPONENT NAME
A PROC (DIF CON)
21/21
CIRCUIT BOARD NO.
MODEL NO.
VEP84326A
SCM155